

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: neither of the closest applied prior art discloses a product from an oligomerization process having a branching other than methyl branching. In fact, both references explicitly disclose that the products are limited to methyl branching only. Although the prior art discloses oligomerization of olefins in the presence of a selectivated crystalline molecular sieve catalyst, there is no suggestion by the prior art that a combination of feed comprising a mixture of C4 and C5 olefins and using a selectivated crystalline molecular sieve catalyst would result in a dimer product having 17-38% branching other than methyl branching, i.e., ethyl or higher.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to In Suk Bullock whose telephone number is 571-272-5954. The examiner can normally be reached on Monday - Friday 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1797

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/I. B./  
Examiner, Art Unit 1797

/Glenn A Caldarola/  
Acting SPE of Art Unit 1797